

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/601,408
Filing Date	June 23, 2003
First Named Inventor	Garth H. Bulgrin
Art Unit	3681
Examiner Name	Not Yet Assigned <i>S. Catrensky</i>
Attorney Docket Number	15138

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
ME	1	US- 5,265,018		11-23-1993	Sokol, et al.	
ME	2	US- 5,406,860		04-18-1996	Easton, et al.	
ME	3	US- 5,388,476		02-14-1995	Harger, et al.	
ME	4	US- 6,047,609		04-11-2000	Brower, et al.	
ME	5	US- 5,803,217		09-08-1998	Park	
ME	6	US- 2003/0042063	A1	03-06-2003	Arthur, et al.	
ME	7	US- 5,450,768		09-19-1995	Bulgrien, et al.	
ME	8	US- 5,429,559		07-04-1995	Steeby	
ME	9	US- 6,065,560		05-23-2000	Palmeri, et al.	
ME	10	US- 5,617,760		04-08-1997	Woeste, et al.	
ME	11	US- 6,295,887	B1	10-02-2001	DeJonge, et al.	
ME	12	US- 6,450,587	B1	09-17-2002	MacGregor, et al.	
ME	13	US- 5,247,849		09-28-1993	Sato	
ME	14	US- 5,880,422		03-09-1999	Sato, et al.	
ME	15	US- 3,788,422		01-29-1974	Fowler	
ME	16	US- 5,957,001		09-28-1999	Gualtieri, et al.	
ME	17	US- 2002/0162699	A1	11-07-2002	Shiomi, et al.	
ME	18	US- 4,922,769		05-08-1990	Tury	
ME	19	US- 6,425,450	B1	07-30-2002	Lansberry	
ME	20	US- 5,519,256		05-21-1996	Goodridge	

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

James L. Cromwell

Date
Considered

July 30, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Best Available Copy

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTC

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/601,408
Filing Date	June 23, 2003
First Named Inventor	Garth H. Bulgrien
Art Unit	3681
Examiner Name	Not Yet Assigned <i>J. Erdemsky</i>
Attorney Docket Number	15138

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

July 30, 2004

*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Best Available Copy



FORM PTO-1449 (REV. 7-80) (Title Amended 3/83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 15138		Serial No.: 10/601,408							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT- <u>LIST OF ITEMS</u> (Use several sheets if necessary)													
U.S. PATENT DOCUMENTS													
*Examiner Initial	Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>Mr.</i>	AA	3	7	8	8	4	2	2	1/29/74	Bowler	180	114	
<i>Mr.</i>	AB	4	9	2	2	7	6	9	5/8/90	Tury	74	866	
<i>Mr.</i>	AC	5	2	4	7	8	4	9	9/28/93	Sato	74	475	
<i>Mr.</i>	AD	5	5	1	9	2	5	6	5/21/96	Goodridge	307	10.8	
<i>Mr.</i>	AE	5	6	3	0	4	8	9	5/20/97	Bebernes	192	4	
<i>Mr.</i>	AF	5	8	8	0	4	2	2	3/9/99	Sato et al.	200	61.88	
<i>Mr.</i>	AG	5	9	5	7	0	0	1	9/28/99	Gualtieri et al.	74	473.12	
<i>Mr.</i>	AH	6	1	5	1	5	4	3	11/21/00	McKee et al.	701	55	
<i>Mr.</i>	AI	6	2	9	5	8	8	7	10/2/01	DeJonge et al.	74	473.3	
<i>Mr.</i>	AJ	6	4	2	5	4	5	0	7/30/02	Lansberry	180	9.36	
<i>Mr.</i>	AK	6	5	4	0	5	8	7	9/17/02	MacGregor et al.	303	89	
<i>Mr.</i>	AL	6	4	5	0	5	8	7	<i>ACE 7-30-04</i>				
FOREIGN PATENT DOCUMENTS													
	Document Number							Date	Country	Class	Subclass	Translation Yes No	
	AM												
	AN												
	AO												
	AP												
	AQ												
OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)													
<i>Mr.</i>	AR	US Patent Publication No. US 2002/0162699, dated 11/7/02 to Shiomi, et al., Class 180/315											
	AS												
	AT												
	AU												
EXAMINER		<i>Henry J. Etemov</i>							DATE CONSIDERED <i>July 30 2004</i>				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Best Available Copy